



# What Is Sound?

# CfE Experiences and Outcomes

Through play, I have explored a variety of ways of making sounds.

**SCN 0-11a**

By collaborating in experiments on different ways of producing sound from vibrations, I can demonstrate how to change the pitch of the sound.

**SCN 1-11a**

# What Is Sound?

**Close your eyes and don't make a sound.**

What can you hear?

What direction is it coming from?

Is it loud or quiet?

Is it high pitched or a deep, low sound?

Do you like the sound?



# Dancing Rice

Put some grains of rice on a drum and gently strike the drum.

What happens? Why?

The **vibrations** from the drum cause the rice to dance around. It is these vibrations that let us hear the sound of the drum.

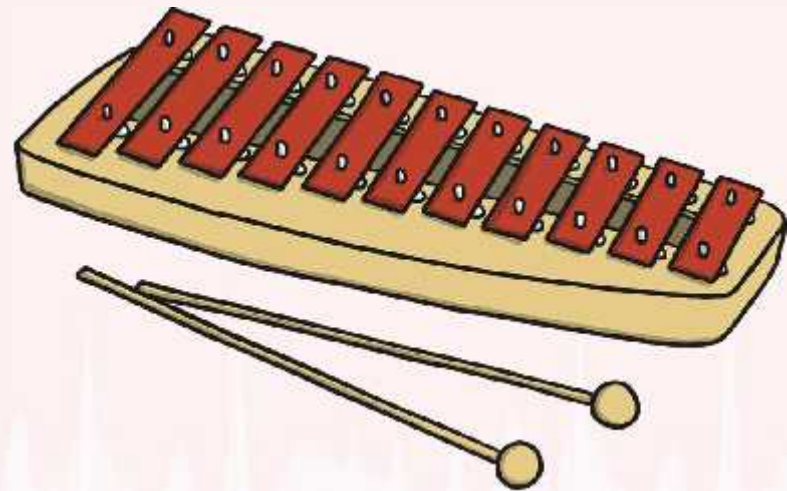


# Vibrations

Sound is made when an object **vibrates**.

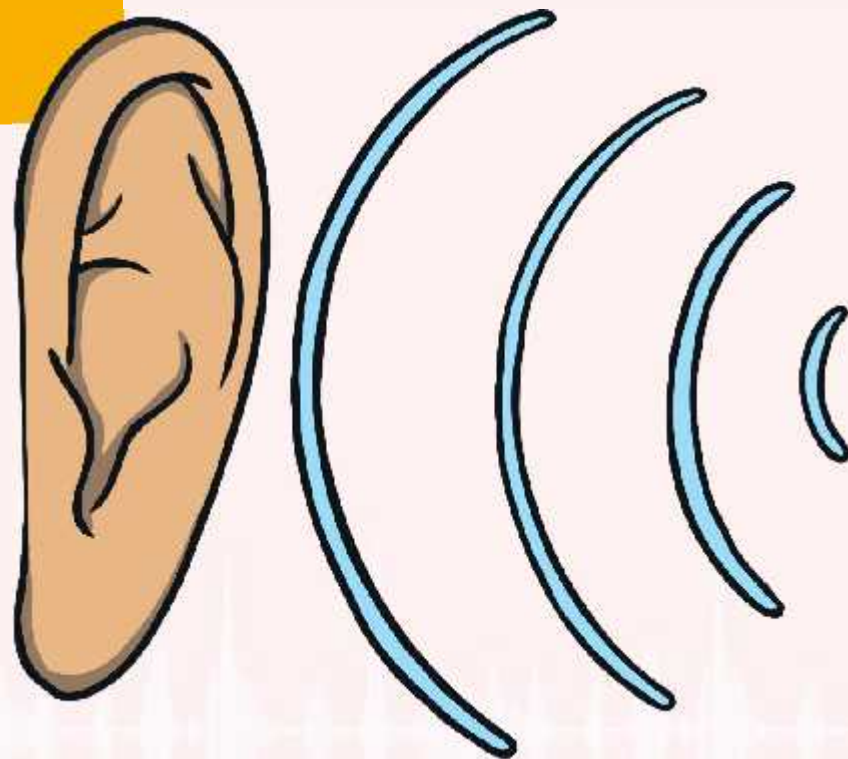
Press your fingers to your throat and talk to a friend. Can you feel the vibrations in your throat?

Strike a tuning fork or percussion instrument and then touch it gently with your finger. Can you feel it **vibrating**?



# Vibrations

These vibrations travel through the air until they reach our ears. These travelling vibrations are called **sound waves**.



# String Telephone

You can experiment with **sound waves** by making your own telephone.

Connect two plastic cups with a length of string.

Experiment with the length of string to see if you can still hear the sounds.

